## This Page Is Inserted by IFW Operations and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

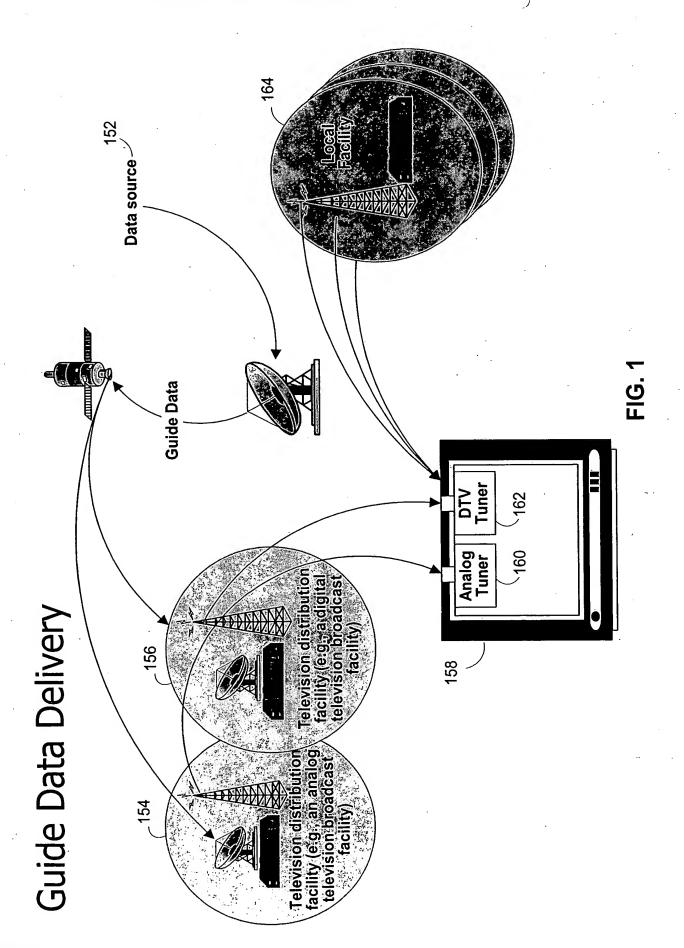
- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

## IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.

Agent: Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US

Sheet 1 of 48



Applicants: Douglas B. Macrae et al. Filed: Concurrently herewith Docket No.: UV-273

For

: Concurrently herewith : SYSTEMS AND METHODS FOR PROVIDING REAL-TIME SERVICES IN AN INTERACTIVE TELEVISION PROGRAM GUIDE APPLICATION

Agent : Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US

Sheet 2 of 48



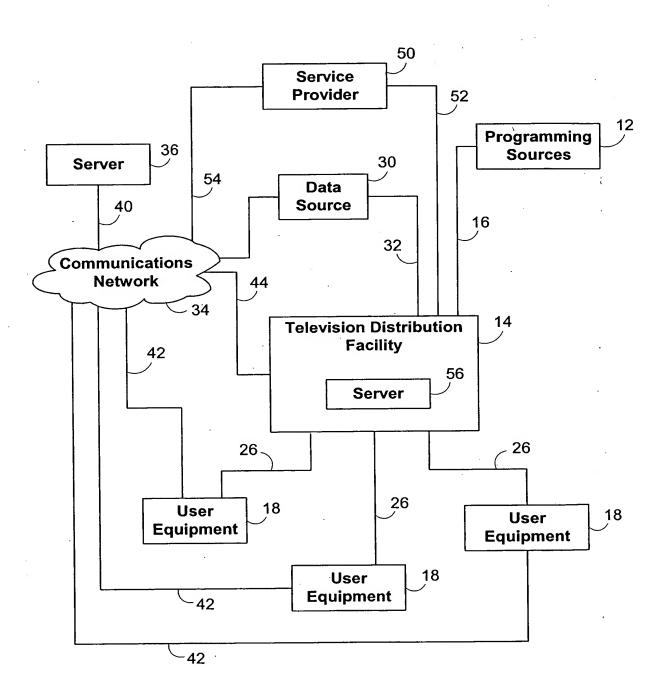
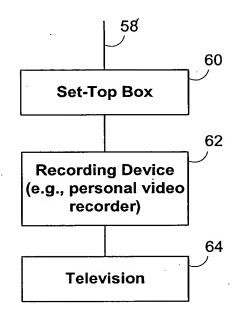


FIG. 2

Agent : Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US

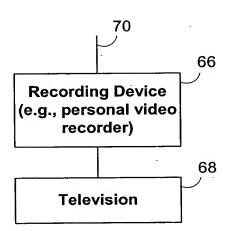
Sheet 3 of 48

<u>18</u>



Agent : Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US

<u>18</u>



Applicants: Douglas B. Macrae et al. Filed: Concurrently herewith

: Concurrently herewith : SYSTEMS AND METHODS FOR PROVIDING REAL-TIME SERVICES IN AN INTERACTIVE TELEVISION PROGRAM GUIDE APPLICATION

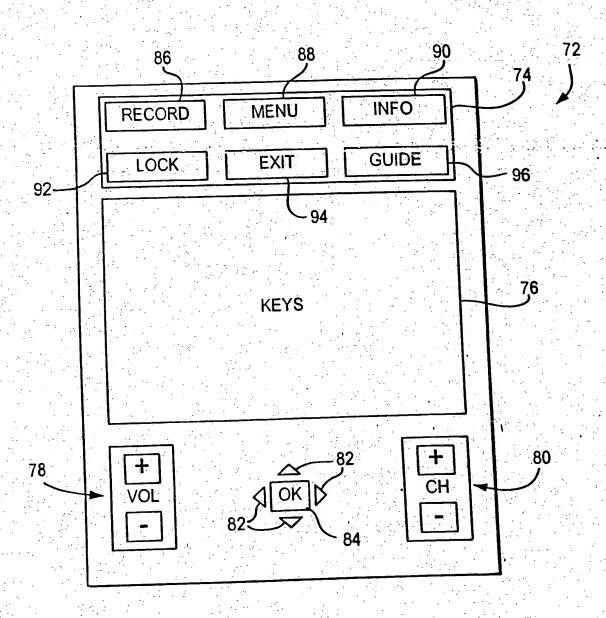


FIG. 5

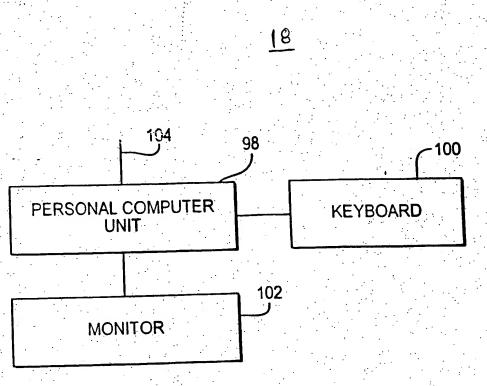


FiG. 6

Applicants: Douglas B. Macrae et al. Filed: Concurrently herewith Docket No.: UV-273

SYSTEMS AND METHODS FOR PROVIDING REAL-TIME SERVICES IN AN INTERACTIVE TELEVISION PROGRAM GUIDE APPLICATION

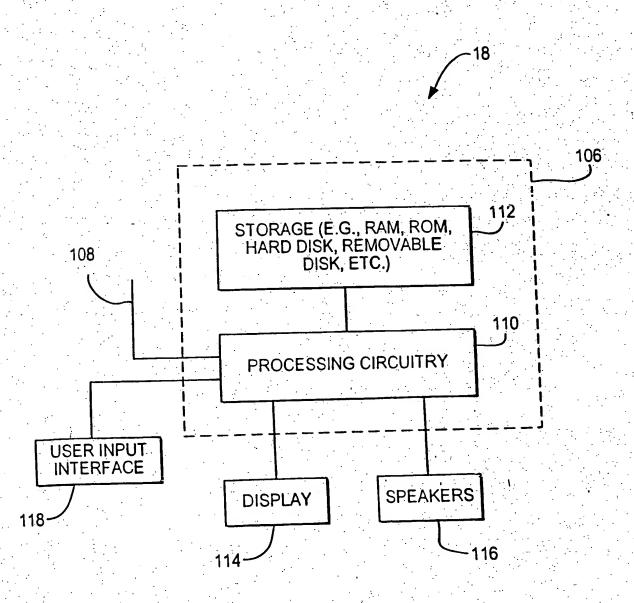
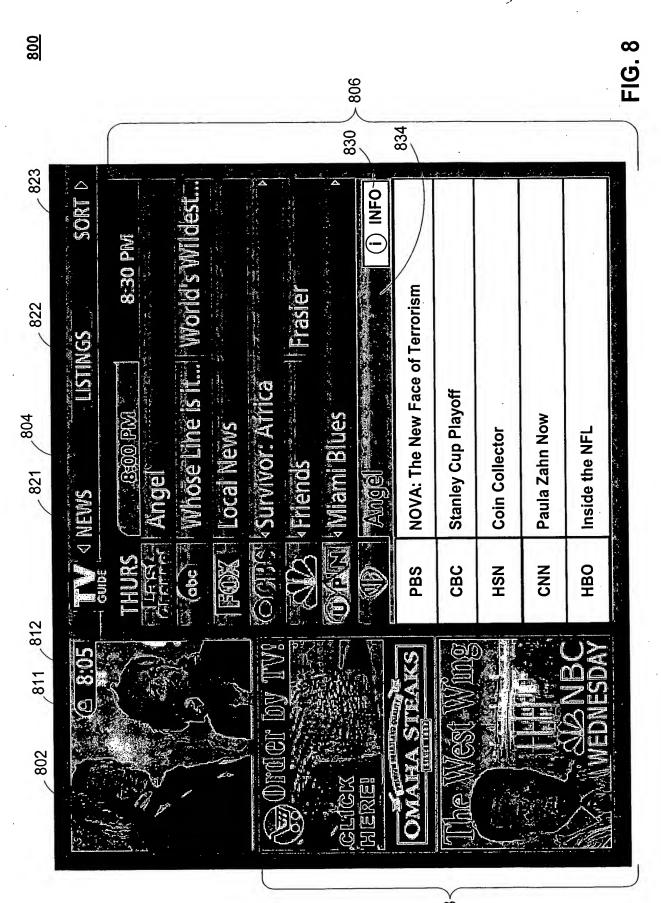


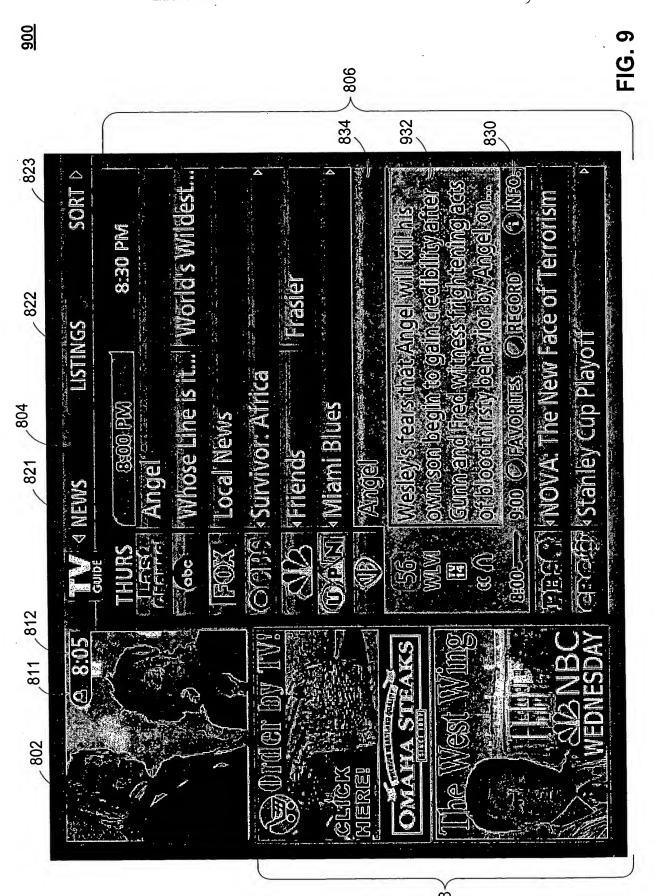
FIG. 7

Agent : Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US

Sheet 8 of 48

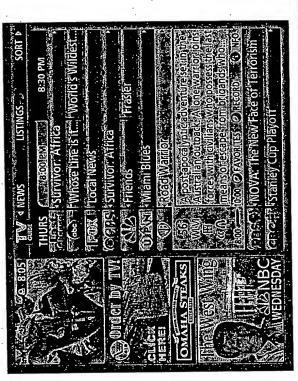


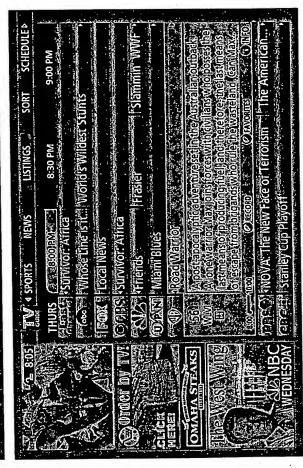
Agent : Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US Sheet 9 of 48



Agent : Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US

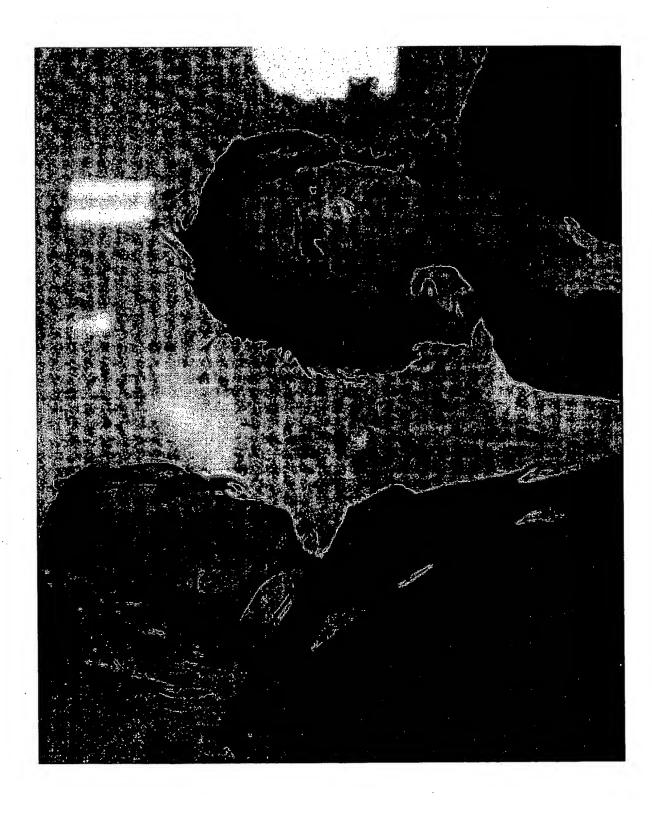
Sheet 10 of 48



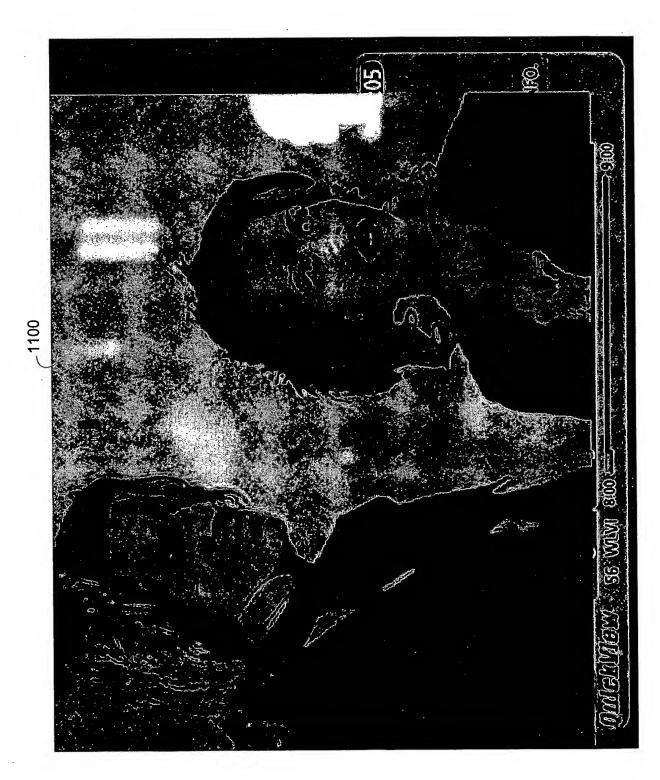


Agent: Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US

Sheet 11 of 48



Sheet 12 of 48



Agent : Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US

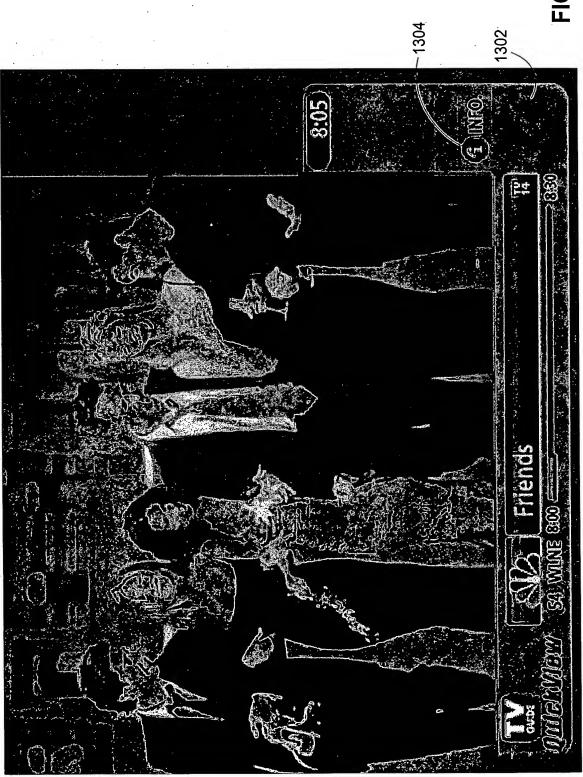
Sheet 13 of 48

Agent : Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US

Sheet 14 of 48

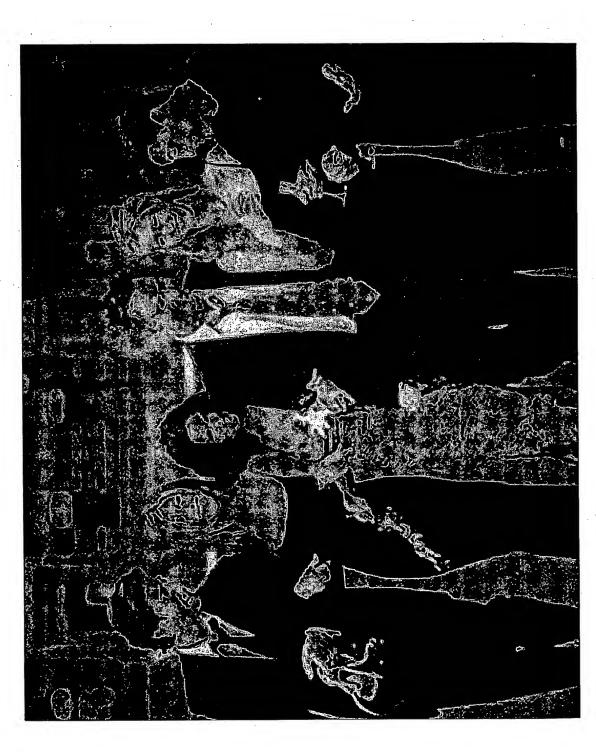
Agent : Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US

Sheet 15 of 48



Agent : Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US

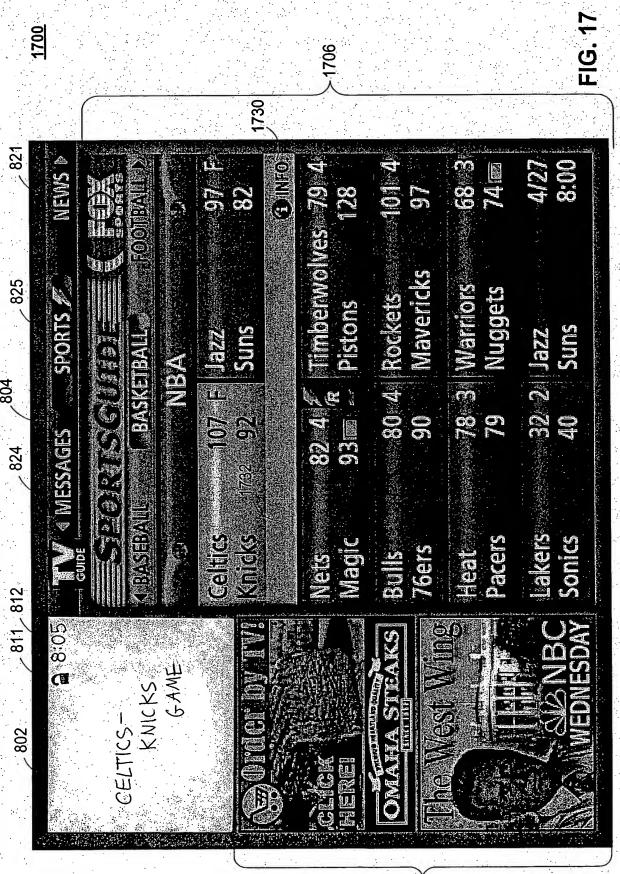
Sheet 16 of 48



Applicants: Douglas B. Macrae et al.
Filed: Concurrently herewith
For: SYSTEMS AND METERS Docket No.: UV-273

Concurrently herewith
SYSTEMS AND METHODS FOR PROVIDING REAL-TIME SERVICES IN
AN INTERACTIVE TELEVISION PROGRAM GUIDE APPLICATION

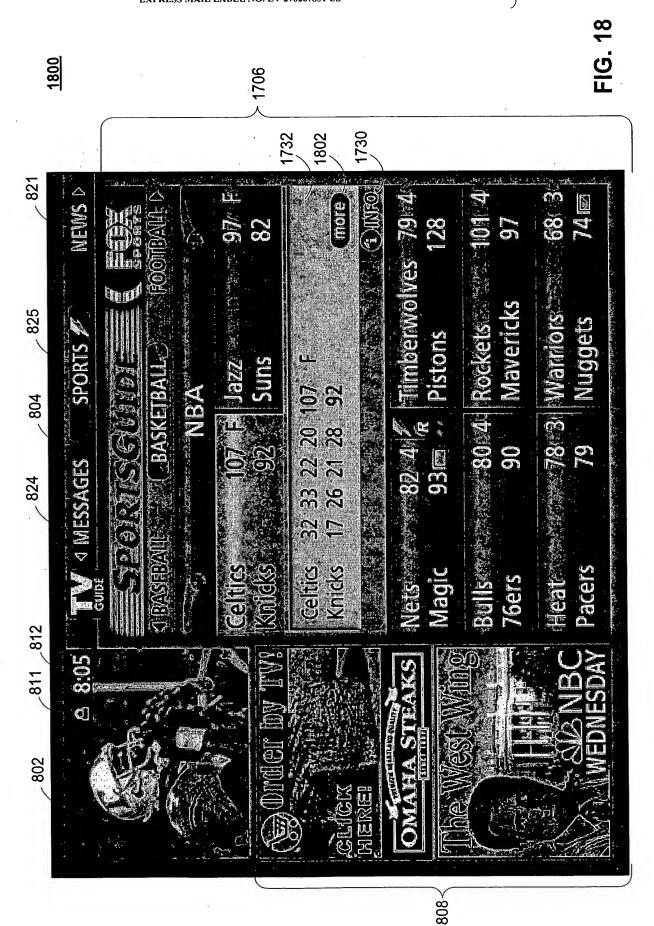
Agent Philip R. Poh, Reg. No. 51,176 Sheet 17 of 48 EXPRESS MAIL LABEL NO. EV 270267831 US



Applicants: Douglas B. Macrae et al. Docket No.: UV-273
Filed: Concurrently herewith

For : SYSTEMS AND METHODS FOR PROVIDING REAL-TIME SERVICES IN AN INTERACTIVE TELEVISION PROGRAM GUIDE APPLICATION

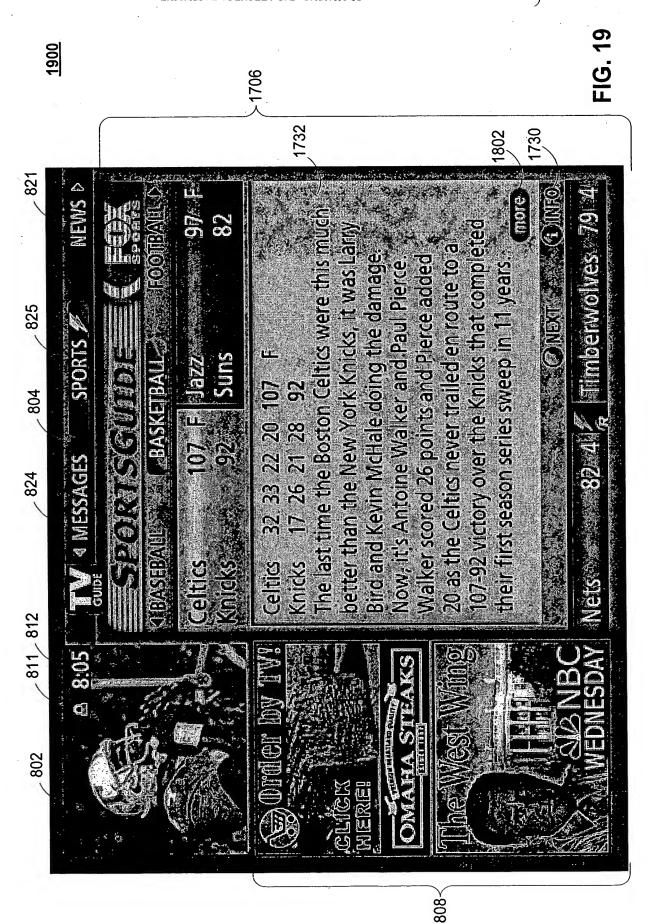
Agent: Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US Sheet 18 of 48



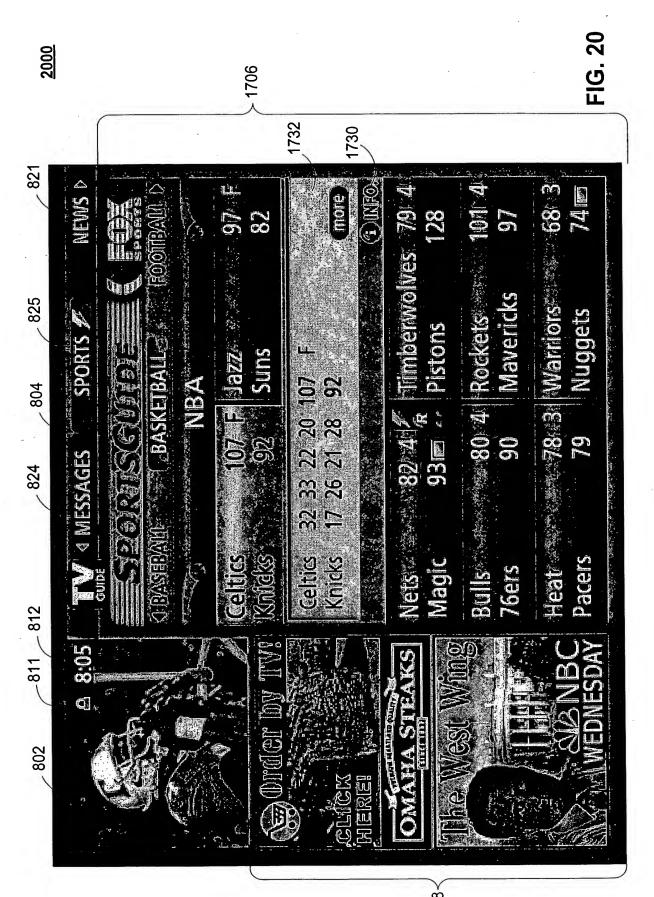
Applicants : Douglas B. Macrae et al. Docket No.: UV-273
Filed : Concurrently herewith

For : SYSTEMS AND METHODS FOR PROVIDING REAL-TIME SERVICES IN AN INTERACTIVE TELEVISION PROGRAM GUIDE APPLICATION

Agent: Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US Sheet 19 of 48



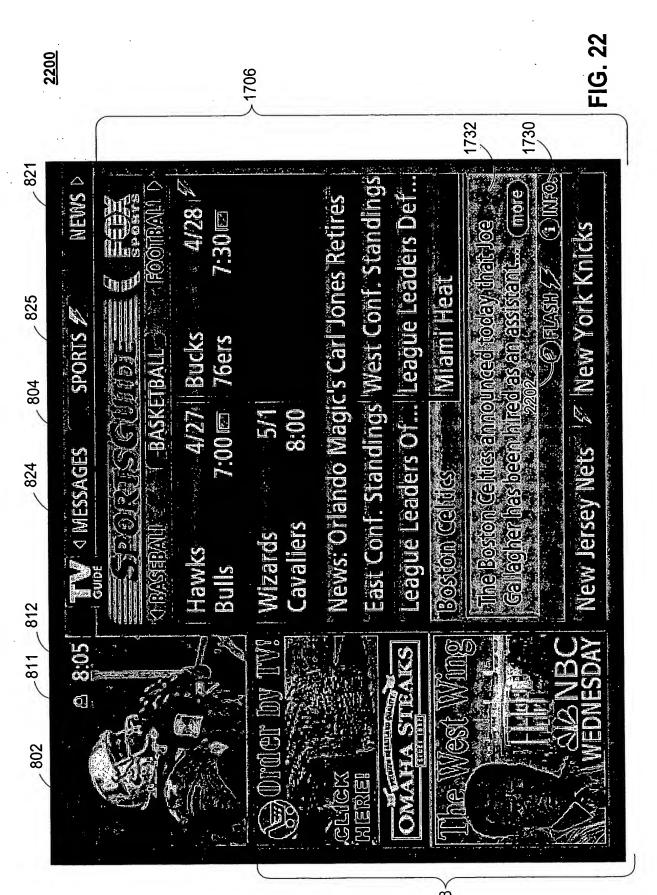
Agent : Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US Sheet 20 of 48



Applicants : Douglas B. Macrae et al. Docket No.: UV-273
Filed : Concurrently herewith
For : SYSTEMS AND METHODS FOR PROVIDING REAL-TIME SERVICES IN AN INTERACTIVE TELEVISION PROGRAM GUIDE APPLICATION Agent : Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US Sheet 21 of 48 811, 812 

Docket No.: UV-273

Agent : Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US Sheet 22 of 48



Applicants: Douglas B. Macrae et al. Docket No.: UV-273
Filed: Concurrently herewith
For: SYSTEMS AND METHODS FOR PROVIDING REAL-TIME SERVICES IN
AN INTERACTIVE TELEVISION PROGRAM GUIDE APPLICATION

Agent: Philip R. Poh, Reg. No. 51,176
EXPRESS MAIL LABEL NO. EV 270267831 US

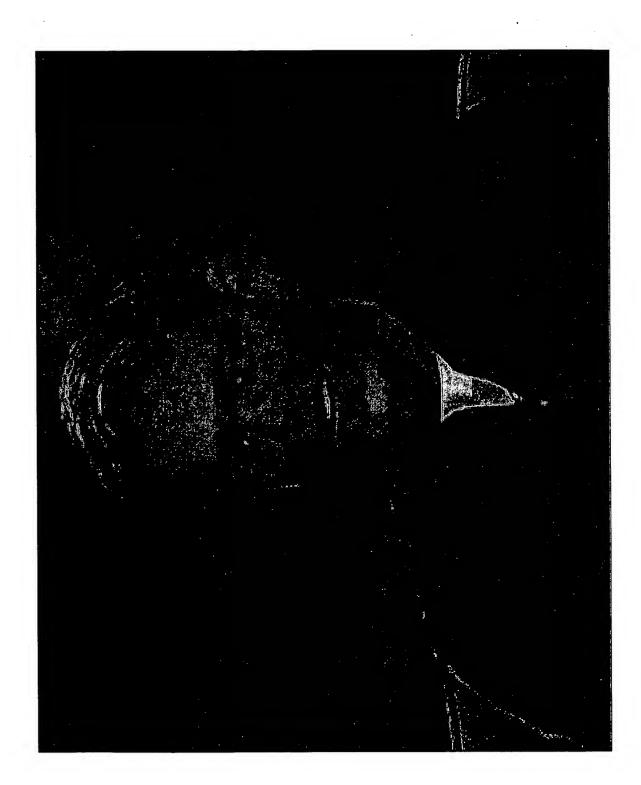


Docket No.: UV-273

Applicants : Douglas B. Macrae et al. Docket No.: UV-273
Filed : Concurrently herewith
For : SYSTEMS AND METHODS FOR PROVIDING REAL-TIME SERVICES IN AN INTERACTIVE TELEVISION PROGRAM GUIDE APPLICATION

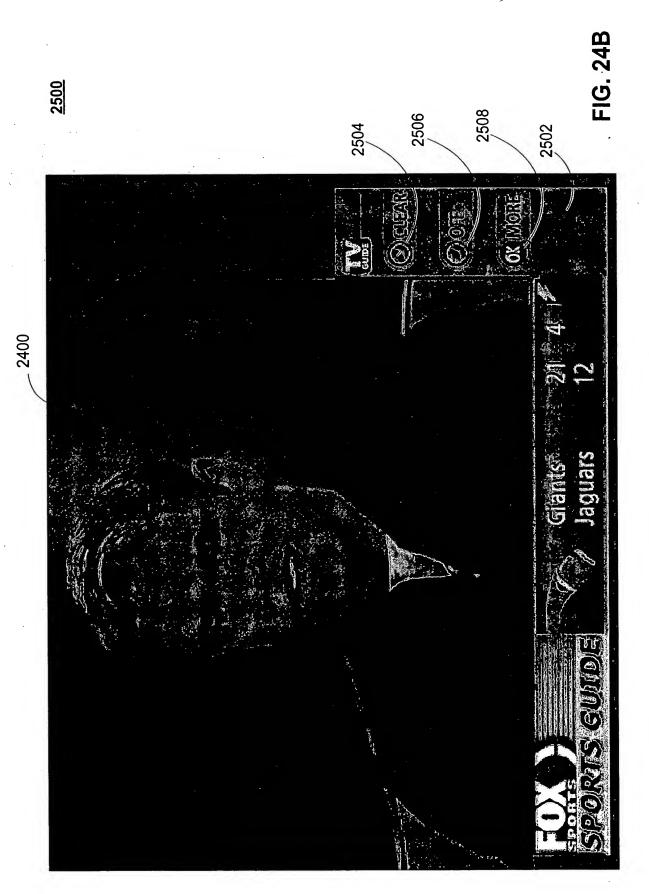
Agent : Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US

Sheet 24 of 48



Agent : Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US

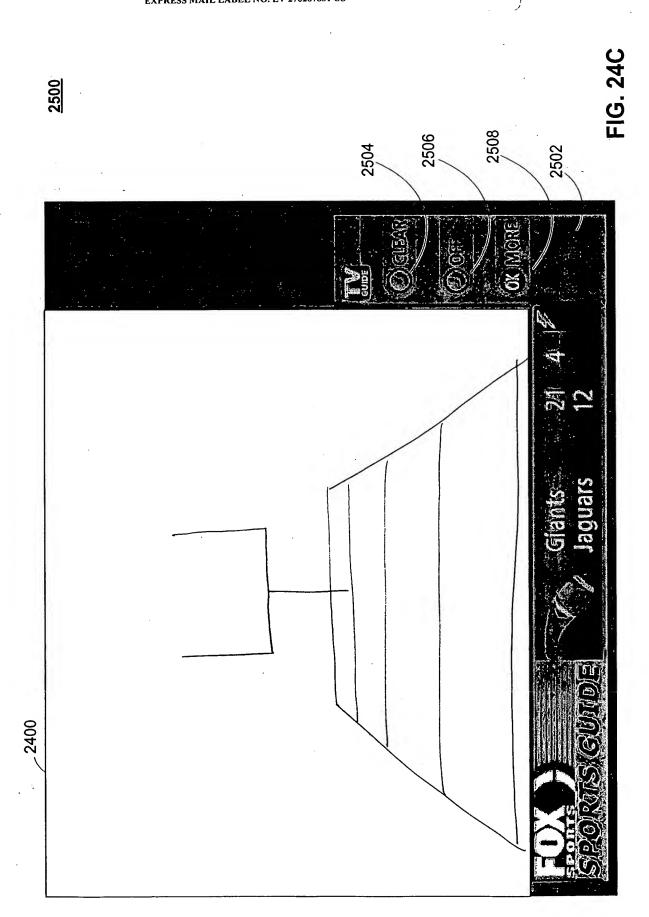
Sheet 25 of 48



Agent : Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US

Sheet 26 of 48

Docket No.: UV-273



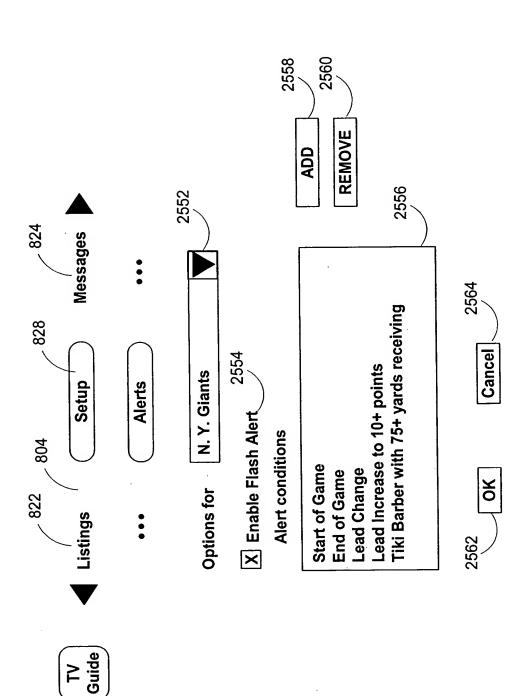
Applicants: Douglas B. Macrae et al. Filed: Concurrently herewith For

2550

: SYSTEMS AND METHODS FOR PROVIDING REAL-TIME SERVICES IN AN INTERACTIVE TELEVISION PROGRAM GUIDE APPLICATION

Agent: Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US

Sheet 27 of 48



AN INTERACTIVE TELEVISION PROGRAM GUIDE APPLICATION Agent: Philip R. Poh, Reg. No. 51,176
EXPRESS MAIL LABEL NO. EV 270267831 US Sheet 28 of 48 2600 2606 Bush Declares Need for Welfare Reform Blair Calls for U.N. to be in Afghan Crash Judged to be Accident, Not 821 804 825 811,812 802

Applicants : Douglas B. Macrae et al.

Filed : Concurrently herewith
For : SYSTEMS AND METHODS FOR PROVIDING REAL-TIME SERVICES IN

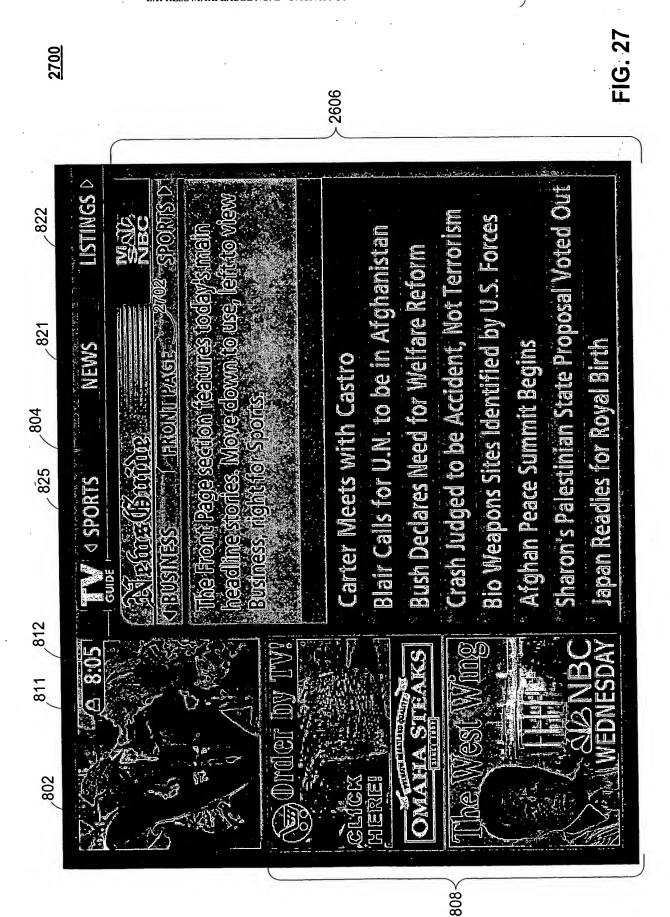
Docket No.: UV-273

Applicants : Douglas B. Macrae et al.

Filed : Concurrently herewith

For : SYSTEMS AND METHODS FOR PROVIDING REAL-TIME SERVICES IN
AN INTERACTIVE TELEVISION PROGRAM GUIDE APPLICATION

Agent : Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US Sheet 29 of 48



Agent: Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US Sheet 30 of 48 2800 2606 2832 2830 822 Sharon's Palestinian State Proposal Voted Out S Crash Judged to be Accident, Not Terrorism Bio Weapons Sites Identified by U.S. Forces **Bush Declares Need for Welfare Reform** at it was "necessary for a continued ime Minister Tony Blair said Friday 821 BJATITACAIIS NOT UNNE CONDEVINTANG N. Presence to be in Afghanistan une 14th, 2002 LONDON - British Afghan Peace Summit Begins Readies for Royal Birth arter Meets with Castro 804 825 50 812 811 802

Applicants: Douglas B. Macrae et al. Concurrently herewith

Filed

For

Docket No.: UV-273

808

SYSTEMS AND METHODS FOR PROVIDING REAL-TIME SERVICES IN

AN INTERACTIVE TELEVISION PROGRAM GUIDE APPLICATION

Agent : Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US Sheet 31 of 48 2900 2606 2832 2830 822 eaceworkers, and diplomatic personal located and that neglect or delay of this vital presence ne safety of the anti-terrorist coalition forces, consequences for this ravaged country, and fo nere" Mr. Blair's views were offered with could have serious, perhaps even disastrous Blair Callshor Uans to be navayighan iste Bush Declares Need for Welfare Reform warning that trouble could re-surface the hatiit was "hecessary for a continued IN Presence to be in Afghanistan, 821 Minister Tony Blair said Frida une 14th, 2002 LONDON - British Meets with Castro मित्रहाड १ जि डो 825 812 81 802 808

Docket No.: UV-273

SYSTEMS AND METHODS FOR PROVIDING REAL-TIME SERVICES IN

AN INTERACTIVE TELEVISION PROGRAM GUIDE APPLICATION

Applicants: Douglas B. Macrae et al.

Concurrently herewith

Filed

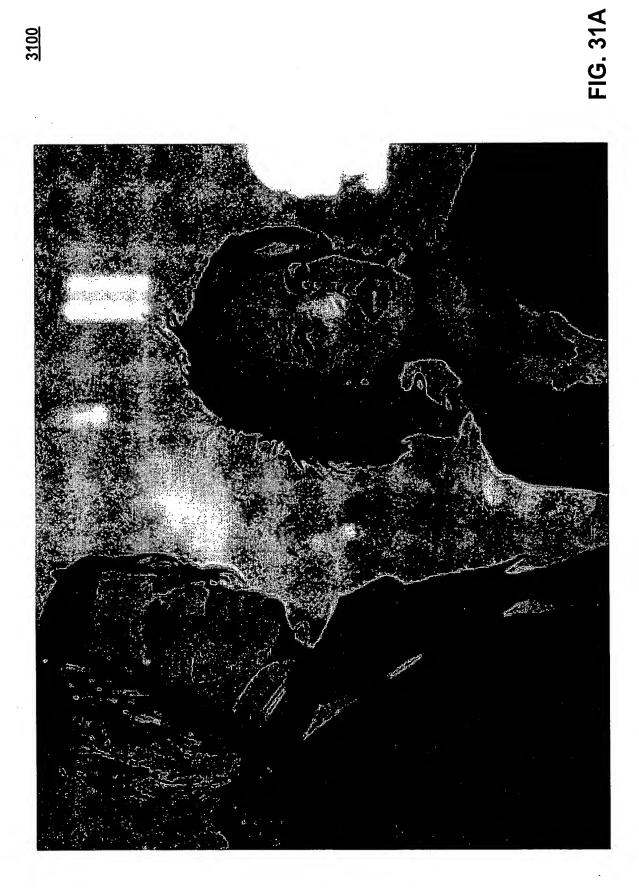
For

Sheet 32 of 48

Agent : Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US

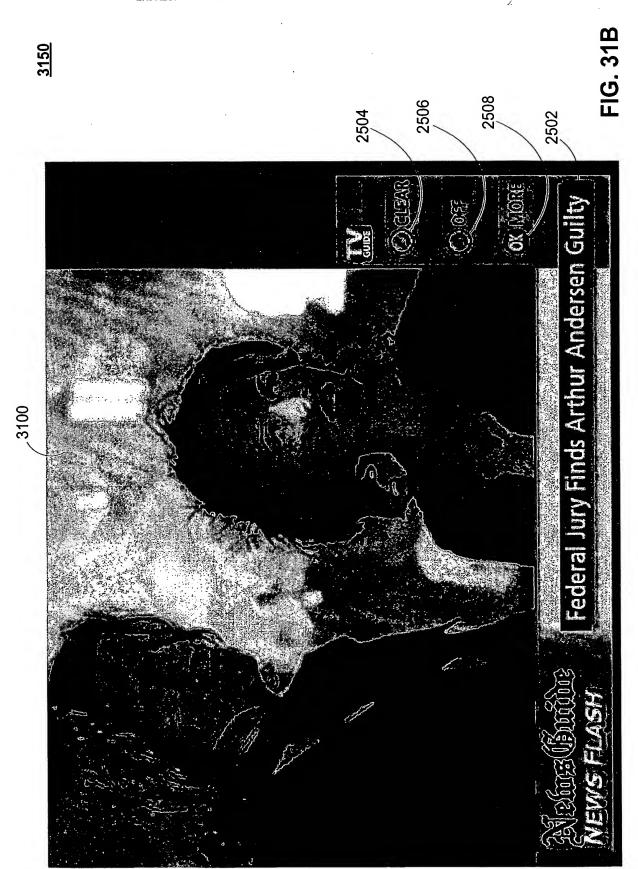
3000 2606 2830 2832 Defense Secretary Geoff Hoon told the House f Commons on Thursday that all 1,700 members or Taliban forces in Afghanistan and neighboring vould be withdrawn from early next month, and f the Royal Marines 45 Commando battle group ne number of British troops hunting al Qaeda demanding most of the time and resources of umber: Currently, Britain is reducing by half would not be replaced immediately. The role noment that coalition forces are reduced countries and serving as peacekeepers. Ul STOP URNETOFICETION AND 821 for We fare arter Meets with Castro Deciares Need 825 <u>.</u> வ 812 811 802

Sheet 33 of 48



Agent : Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US

Sheet 34 of 48



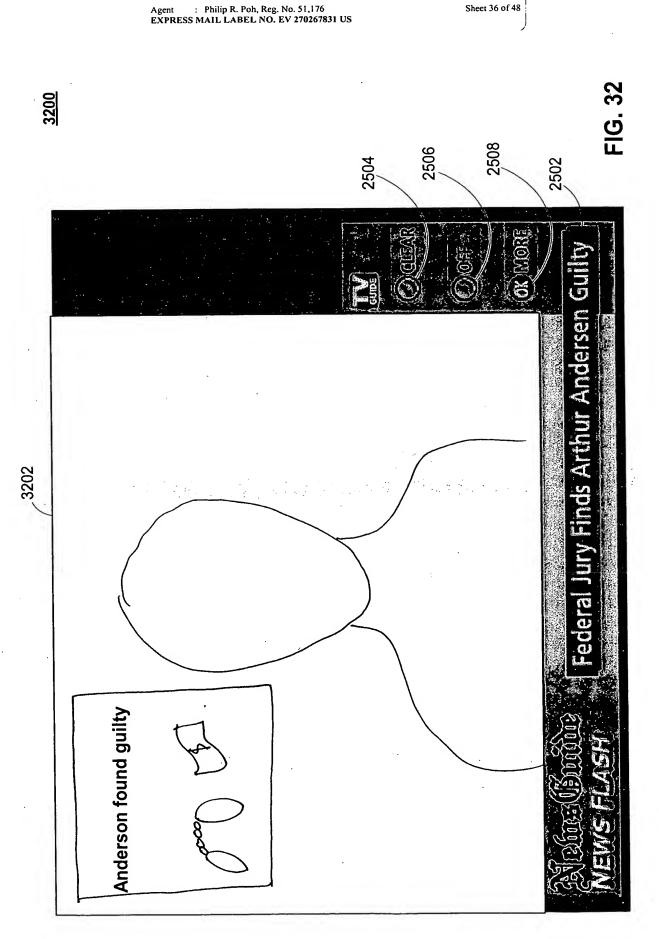
Agent : Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US

Sheet 35 of 48

2508 2502 dersen Gu Today a federal jury reached a verdict in the trial involving Enron accounting firm ...

3175

Sheet 36 of 48



Applicants: Douglas B. Macrae et al. Filed: Concurrently herewith Docket No.: UV-273 For

SYSTEMS AND METHODS FOR PROVIDING REAL-TIME SERVICES IN AN INTERACTIVE TELEVISION PROGRAM GUIDE APPLICATION

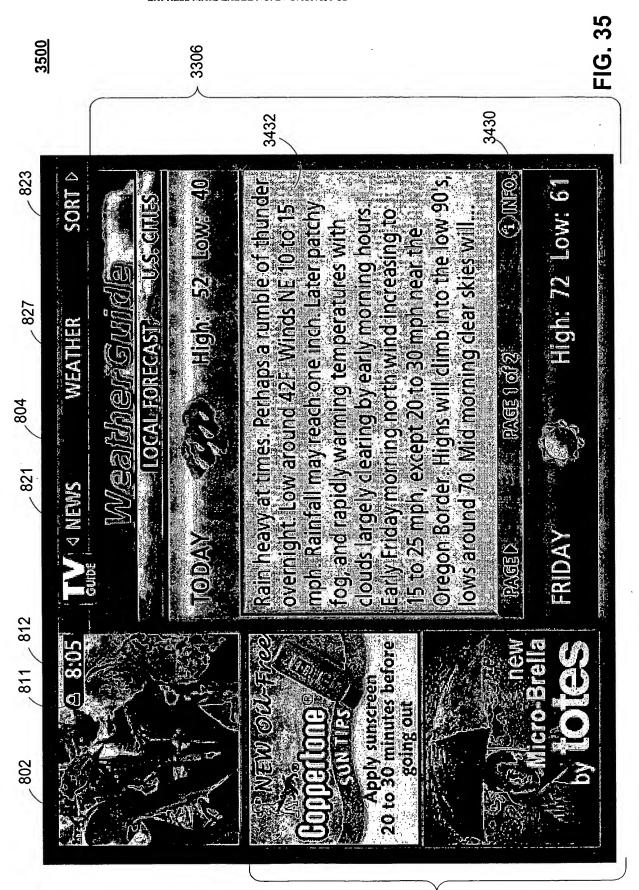
Agent: Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US

Sheet 37 of 48



Applicants : Douglas B. Macrae et al. Docket No.: UV-273
Filed : Concurrently herewith
For : SYSTEMS AND METHODS FOR PROVIDING REAL-TIME SERVICES IN AN INTERACTIVE TELEVISION PROGRAM GUIDE APPLICATION Docket No.: UV-273 Agent : Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US Sheet 38 of 48 High: 56 Low: 45 High: 59 Low: 42 igh: 72 Low: 61

: Philip R. Poh, Reg. No. 51,176 Agent EXPRESS MAIL LABEL NO. EV 270267831 US Sheet 39 of 48



Agent : Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US Sheet 40 of 48 FIG. 36 3600 3306 High: 77 Low: 69 High: 74 Low: 63 High: 97 Low: 82 -ligh: 82 Low: 827 804 821 **2011 26.4.S** 812 30 minutes before 811 bly sunscree going our 802

Docket No.: UV-273

808

Concurrently herewith
SYSTEMS AND METHODS FOR PROVIDING REAL-TIME SERVICES IN
AN INTERACTIVE TELEVISION PROGRAM GUIDE APPLICATION

Applicants: Douglas B. Macrae et al. Filed: Concurrently herewith

For

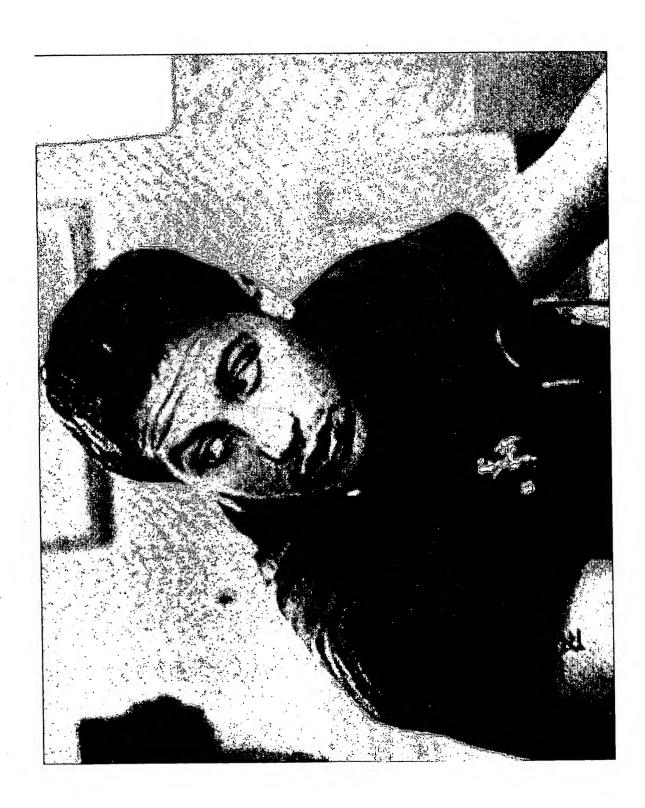
Applicants: Douglas B. Macrae et al.
Filed: Concurrently herewith
For: SYSTEMS AND METHO Docket No.: UV-273

SYSTEMS AND METHODS FOR PROVIDING REAL-TIME SERVICES IN AN INTERACTIVE TELEVISION PROGRAM GUIDE APPLICATION

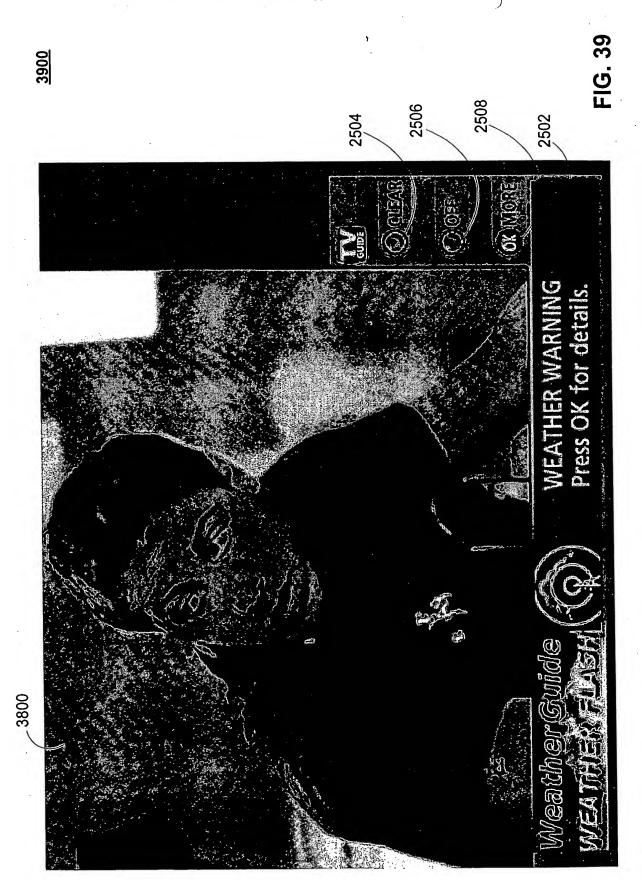
Sheet 41 of 48

Agent: Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US

Agent : Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US

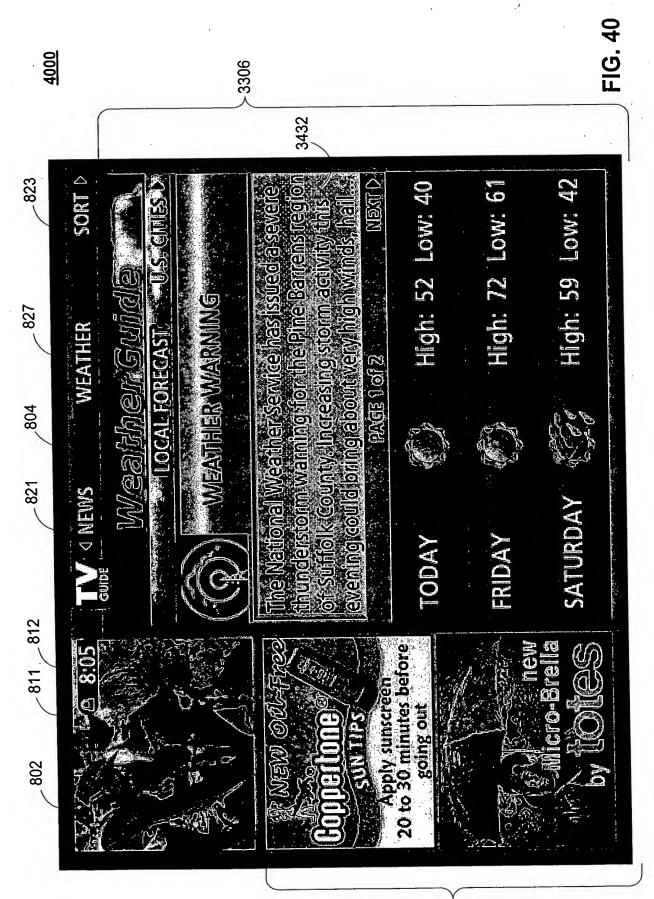


Agent : Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US



Agent : Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US

Sheet 44 of 48



Agent: Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US Sheet 45 of 48

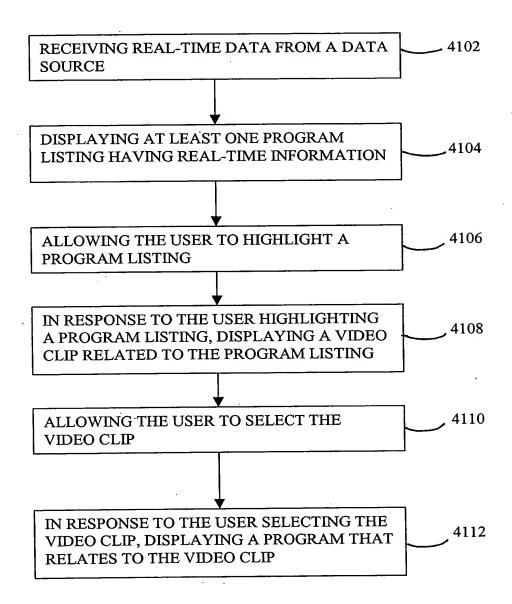


FIG. 41

Applicants: Douglas B. Macrae et al.

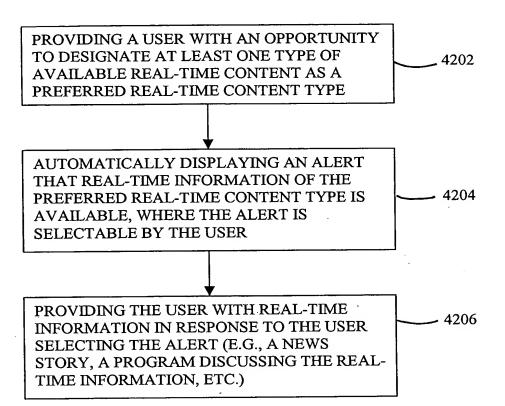
Docket No.: UV-273

Filed

: Concurrently herewith : SYSTEMS AND METHODS FOR PROVIDING REAL-TIME SERVICES IN

AN INTERACTIVE TELEVISION PROGRAM GUIDE APPLICATION

: Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US



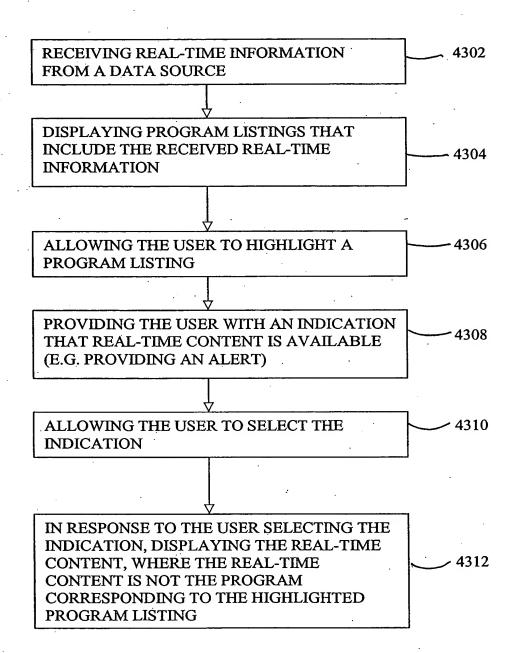
Applicants : Douglas B. Macrae et al. : Concurrently herewith Filed

For

"Docket No.: UV-273

: SYSTEMS AND METHODS FOR PROVIDING REAL-TIME SERVICES IN AN INTERACTIVE TELEVISION PROGRAM GUIDE APPLICATION

: Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US



Applicants: Douglas B. Macrae et al. Filed: Concurrently herewith

iglas B. Macrae et al. Docket No.: UV-273

: SYSTEMS AND METHODS FOR PROVIDING REAL-TIME SERVICES IN AN INTERACTIVE TELEVISION PROGRAM GUIDE APPLICATION

Agent : Philip R. Poh, Reg. No. 51,176 EXPRESS MAIL LABEL NO. EV 270267831 US

Sheet 48 of 48

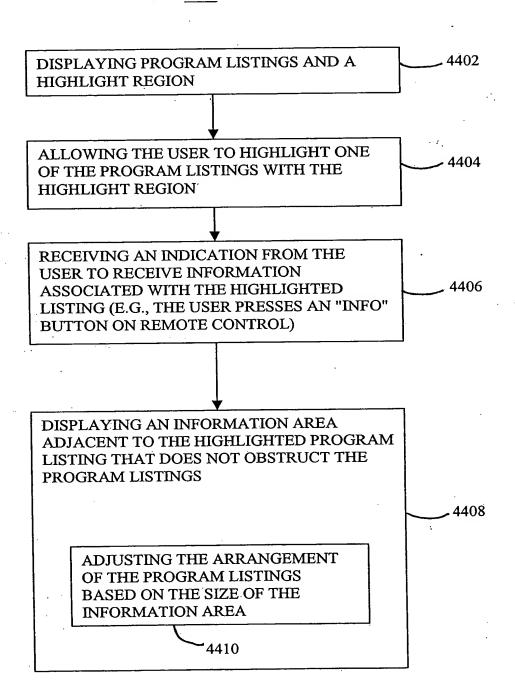


FIG. 44